



prisma20A

Therapy Flexibility for
Obstructive Sleep Apnea (OSA)

prisma20A, the APAP therapy device in the prismaLINE

Features intuitive navigation and setting of therapy parameters. As with all device variants in the prismaLINE, prisma20A offers quick operation, thanks to the perfectly coordinated interaction between the state-of-the-art touch screen and smart Graphical User Interface.

With the help of Forced Oscillation Technique (FOT), prisma20A distinguishes between obstructive and central events. In response to events, prisma20A automatically provides continuous pressure adjustments tailored exactly to the patient's needs and thus delivers highly effective treatment. Equipped with the option of combining both CPAP and APAP modes with the comfortable pressure relief soft PAP, prisma20A offers a high degree of therapy flexibility. That is our APAP therapy Made in Germany.

Therapy

- Certain: With improved oscillatory pressure signal (FOT) for differentiation of central and obstructive apnea and more breathing comfort
- Accurate: Precise identification of RERA, snoring, hypopnea and flow limitations
- Reliable: Continuous check of mask and automatic mask recognition

Processes

- Good overview: High-resolution therapy data for 14 days and detailed statistics for 366 days
- Process support: With SD card and USB
- Uncomplicated: Eight clearly distinguished analog signals for PSG feed
- Practical: Remote management (prismaLAB) via LAN with therapy software prismaTS
- Worry-free: No-maintenance prismaLINE

Comfort

- Comfortable breathing: CPAP with pressure relief softPAP, now also for inspiration support at low pressures (softPAP 3)
- High compliance: Thanks to comfort functions such as softSTART, autoSTART-STOP and continuous mask and therapy feedback
- Best conditions: Heated breathing tube optimizes the air and prevents condensation in tube and annoying sounds in mask
- Especially simple: The easy-to-use humidifier prismaAQUA

prismaLINE. A platform to trust


prismaLINE is the intelligent system solution for treatment of respiratory disorders.

The prismaLINE represents a new dimension in operating convenience. The combination of state-of-the-art touch screen and smart Graphical User Interface makes possible unprecedented intuitive and therefore fast usage.


This exceptional operating concept is found throughout the prismaLINE portfolio. Every prismaLINE device provides the user with ideal support for all kinds of work processes and for connectivity and accessories too.

prismaLINE offers the right device for every type of therapy in Weinmann quality: precise, reliable and unheard-of stillness.

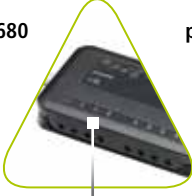
prismaLINE: Synonymous with modern sleep therapy Made in Germany.



prismaAQUA – WM 29680
Humidifier



prismaCONNECT
WM 29670



prismaPSG – WM 29690
PSG Module

Accessories (not shown)**Inverter 24 V, Lkw – WM 24617****Inverter 12 V, Auto – WM 24616****prismaTS – WM 93335**

Therapy software, complete with USB data cable

Bacteria filter – WM 24476**Pollen filter – WM 29652****Breathing tube, Ø 19 mm – WM 24445****Breathing tube, Ø 15 mm – WM 29988****Autoclavable breathing tube, Ø 19 mm – WM 24667****Heated breathing tube, Ø 22 mm – WM 29067**For more information on our therapy solutions, accessories and mask systems please visit weinmann-medical.com

Product class as per Directive 93/42/EEC	II a	Electromagnetic Compatibility (EMC) as per EN 60601-1-2	Test parameters and thresholds can be requested from manufacturer as needed.
Dimensions (W x H x D)	170 x 135 x 180 mm	■ Radio interference suppression:	EN 55011 B
Weight	about 1.4 kg	■ Radio interference immunity:	IEC 61000-4 Parts 2 to 6, Part 11, Part 8 IEC 61000-3 Parts 2 and 3
Temperature range ■ Operation: ■ Storage:	+5 °C to +40 °C -25 °C to +70 °C	Mean sound pressure/ Operation as per ISO 80601-2-70	about 26.5 dB(A) at 10 hPa (corresponds to sound pressure of 34.5 dB(A))
Permitted humidity, operation and storage	rel. humidity 15 % to 93 %, no condensation	CPAP operating pressure range:	4 to 20 hPa
Air pressure range	700 – 1060 hPa corresponds to altitude of 3000 meters	Pressure accuracy:	<20 hPa ± 0.6 hPa, ≥20 hPa ± 0.8 hPa
Diameter of breathing tube connection (mask)	19.5 mm (fits standard tapered connector)	P Lim_{max} (max. pressure in event of device failure)	≤ 40 hPa
Electric rating	max. 40 VA	Max. flow rate as specified in ISO 80601-2-70 without humidifier	
System interface	12 V DC max. 10 VA	20.0 hPa	209 l/min
Power consumption in	230 V 115 V	17.0 hPa	217 l/min
■ Operation (therapy):	0.11 A 0.22 A	16.0 hPa	218 l/min
■ Standby:	0.0022 A 0.0044 A	12.0 hPa	227 l/min
Classification as per EN 60601-1-11		10.5 hPa	227 l/min
■ Type of protection from electric shock	Protection class II	8.0 hPa	233 l/min
■ Level of protection from electric shock:	Type BF	4.0 hPa	237 l/min
■ Protection from damaging ingress of water and solids:	IP21	Heating of respiratory air:	max. +3 °C
Classification as per EN 60601-1		Stability of dynamic pressure (short-term accuracy) as per ISO 80601-2-70 - with use of 19-mm tube	
■ Operating mode:	continuous operation	4 hPa	Δp ≤ 0.68 hPa
Alarms	Leaks and disconnection	8 hPa	Δp ≤ 0.58 hPa
		12 hPa	Δp ≤ 0.52 hPa
		16 hPa	Δp ≤ 0.44 hPa
		20 hPa	Δp ≤ 0.64 hPa
		Stability of static pressure (long-term accuracy) as per ISO 80601-2-70	
		■ with use of 19-mm tube	Δp = 0.15 hPa
		■ with use of 15-mm tube, bacteria filter and oxygen safety valve	Δp = 0.19 hPa

Device Description

prisma20A

WM-Nr.

29600



Certified Quality
Management System
meeting EC directive
93/42/EEC Annex II (EN ISO 13485)

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Please refer to the current price list or contact Customer Service Weinmann.

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